

A B S T R A C T

CATALYST SYSTEMS FOR ETHYLENE OLIGOMERISATION TO LINEAR
ALPHA OLEFINS

A catalyst system comprising:

- (a) one or more bisarylimino pyridine iron or cobalt catalysts;
- 5 (b) a first co-catalyst compound which is selected from aluminium alkyls, aluminoxanes, and mixtures thereof; and
- (c) a second co-catalyst compound which comprises one or more compounds of the formula ZnR'_2 wherein each R' , which may be the same or different, is
10 selected from hydrogen, optionally substituted C_1 - C_{20} hydrocarbyl, phenyl, Cl, Br, I, SR'' , NR''_2 , OH, OR'' , CN, NC wherein R'' , which within the same molecule may be the same or different, is C_1 - C_{20} hydrocarbyl.